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Title:	SuiteGoo
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SuiteGoo

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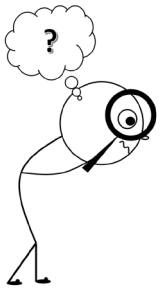


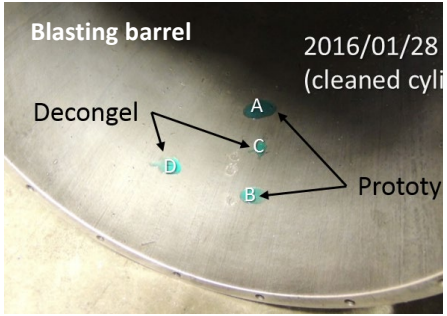
PROBLEM

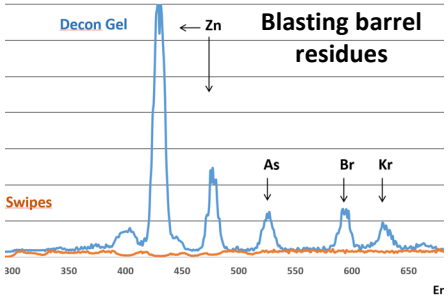
How to detect "*undetectable*" material traces ?

… ***YOU KNOW THEY'RE THERE!***

APPLICATION

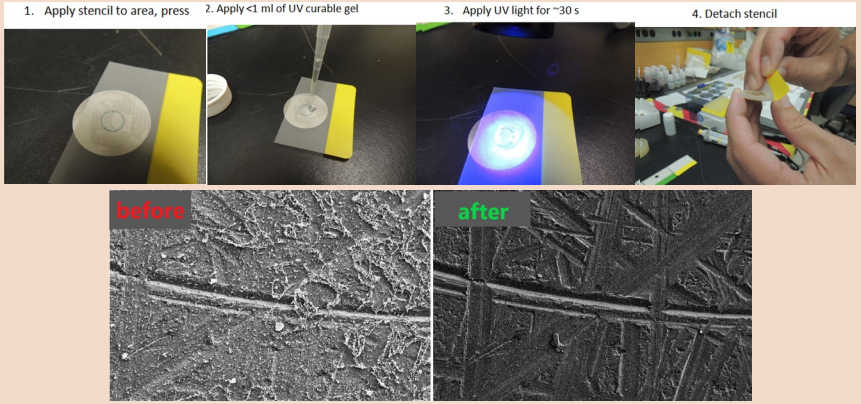
- When you need to ***improve detection limits***
- Anywhere where cotton swiping ***is used***
- Anywhere where cotton swiping ***fails***
- *Law enforcement* – DNA from fingerprints
- *Health care* – presence of viruses and bacteria
- *Emergency response* – explosives trace
- *Environmental Mng* – pollutant traces





SOLUTION

1) Apply liquid Goo onto a substrate
2) Cure with pocket UV lamp (~15s)
3) Peel off polymer film
4) Analyze particles collected on the film



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BENEFITS

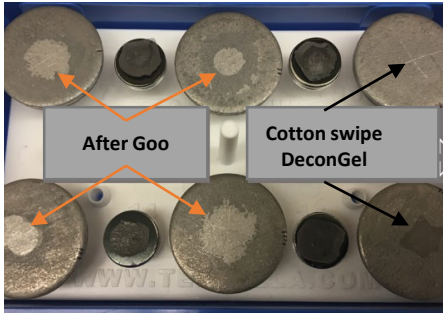
- *SuiteGoo collects **more analyte** than cotton*
- *Polymer matrix **retains** the analyte in inert state*
- *Polymer **can be doped** to enable different, faster or more sensitive analyses (nanoparticles, chelants, detergents, scintillators, etc.*

COMPETITIVE ADVANTAGE

Unlike cotton, uncured ***SuiteGoo is liquid***. It can seep into pores and cracks where analyte traces are embedded and inaccessible by traditional cotton swipes and swabs.

More analyte collected = easier + faster analyses
(often in-field, can bypass traditional labs)

SuiteGoo can be tuned for specific scenarios and analytes
(*there is only ONE type of cotton*)



TECHNOLOGY STATUS AND NEXT STEP

- **SuiteGoo = 6+ different flavors**
  for different analyte classes across full CBRNE
  => *bioGoo, nanoGoo, siliGoo, raGoo, …*
- *R&D: one Goo at a time => goo'ed progress!*
- One Goo in transition to final customer (end FY22)

TECHNOLOGY READINESS LEVEL AND IP

TRL 2-7 (depends on Goo flavor)

- Henzl, Junghans, and Lakis: "*High Efficiency Environmental Sampling with Rapidly Cured Peelable Coatings*",
  US Patent No.: 10,883,901 B1 (Jan 2021)